IGS Troposphere working group

The number and quality of meteorological sensors at IGS sites are improving, allowing conversion of zenith neutral delay (ZND) values into precipitable water vapor (PWV). Tropospheric data are important to climate research and weather forecasting.

Comparison of precipitable

water vapor between

GPS estimates and
a water vapor radiometer

(WVR) of the German

Weather Service at Potsdam.

This Working Group provides zenith path delay in the neutral atmosphere (an official IGS product) and encourages placement of precise meteorological sensors at IGS stations for precipitable water vapor determination.

